
Appendix 3

Translation of Error Codes and Flags

**US Postal Service's National Customer Support Center Coding Accuracy Support System
Customer No Match Record Translation of Error Codes & Special Flags**

All categories except L are required. Address-matching software must obtain a minimum accuracy rate of 98% in each required category to obtain CASS Certification

<p align="center">Error Codes</p> <p>01 5-digit ZIP not match 02 ZIP+4 not match 03 Carrier ID not match 04 City name not match 05 State abbreviation not match 06 Out of range 07 Address is non-deliverable 08 Unique ZIP Code not finest level of code 09 LACS indicator 10 Perfect address 11 General standardization error 12 LOT sequence 13 LOT A/D code 14 RDI 19 Incorrect delivery point barcode (Non-Fatal) 20 Incorrect delivery point barcode 21 PMB 22 Default flag error/Record type error 30 History</p>	<p align="center">Standard Address with Post-Directional Dropped or Incorrect</p> <p>CC Post-directional changed to a non-cardinal directional - no match C0 5-digit C1 Dropped 5-digit * C2 5-digit with misspelled street * C3 Dropped 5-digit with misspelled street C4 5-digit with non-mailing name C5 Dropped 5-digit with non-mailing name * C6 5-digit with misspelled street and non-mailing name * C7 Dropped 5-digit with misspelled street and non-mailing name C8 5-digit with misspelled city * C9 Dropped 5-digit with misspelled city</p>	<p align="center">Alias/Mult Response</p> <p>** H0 5-digit - Base ** H1 5-digit - Alias</p>
<p align="center">Record Type</p> <p>S Street P PO Box R Rural Route H Highrise F Firm G General Delivery</p>	<p align="center">Standard Address with Pre-Directional Dropped or Incorrect</p> <p>DC Pre-directional changed to a non-cardinal directional - no match D0 5-digit D1 Dropped 5-digit * D2 5-digit with misspelled street * D3 Dropped 5-digit with misspelled street D4 5-digit with non-mailing name D5 Dropped 5-digit with non-mailing name * D6 5-digit with misspelled street and non-mailing name * D7 Dropped 5-digit with misspelled street and non-mailing name D8 5-digit with misspelled city * D9 Dropped 5-digit with misspelled city</p>	<p align="center">Small Town Default</p> <p>I0 Exist in ZIP+4 ** I1 No match in ZIP+4 P&G records exist I2 General Delivery match in ZIP+4/ G rec only ** I3 No match in ZIP+4/City State</p>
<p align="center">Standard Address with Elements (Spelled out or Abbreviated)</p> <p>AA Firm Name - Abbreviation AB Firm Name - Noise words AC Firm Name - Address similar to firm name AD Firm Name - Swap firm name and Address field AE Normalized street name AF Street Name - Spelling variation A0 5-digit A1 Dropped 5-digit A4 5-digit with non-mailing name A5 Dropped 5-digit with non-mailing name A8 5digit misspelled city * A9 Dropped 5-digit with misspelled city</p>	<p align="center">Standard Address with Suffix Dropped</p> <p>E0 5-digit E1 Dropped 5-digit * E2 5-digit with misspelled street * E3 Dropped 5-digit with misspelled street E4 5-digit with non-mailing name E5 Dropped 5-digit with non-mailing name * E6 5-digit with misspelled street and non-mailing name * E7 Dropped 5-digit with misspelled street and non-mailing name E8 5-digit with misspelled city * E9 Dropped 5-digit with misspelled city</p>	<p align="center">Last Line</p> <p>JA Input city/ZIP Code correspond; exact match in ZIP Code JB Input city/ZIP Code correspond; Input City is non-mailing name, exact match in ZIP Code JC Input city/ZIP Code don't correspond; inexact match in ZIP Code JD Input city/ZIP Code don't correspond; inexact match in city JE Input city equals 5-digit PLL, ZIP+4 PLL is different JI Input city/ZIP Code don't correspond; best candidate is inexact match in finance number, but not in either City or ZIP Code. No Match. J0 5-digit J1 Dropped 5-digit * J2 5-digit with misspelled street * J3 Dropped 5-digit with misspelled street J4 5-digit with dropped component J5 Dropped 5-digit and component * J6 5-digit with dropped component and misspelled street * J7 Dropped 5-digit and component with misspelled street J8 5-digit with misspelled city * J9 Dropped 5-digit with misspelled city</p>
<p align="center">Standard Address (Includes Reversed Alphanumeric Primary/Secondary Numbers, Reversed Pre/Post Directionals, and Secondary Number Combined with Primary Number)</p> <p>B0 5-digit B1 Dropped 5-digit * B2 5-digit with misspelled street * B3 Dropped 5-digit with misspelled street B4 5-digit with non-mailing name B5 Dropped 5-digit with non-mailing name * B6 5-digit with misspelled street and non-mailing name * B7 Dropped 5-digit with misspelled street and non-mailing name B8 5-digit with misspelled city * B9 Dropped 5-digit with misspelled city BE Normalized street names</p>	<p align="center">Dual Address</p> <p>F0 Street address F1 Box record F4 Street address with non-mailing name F8 Street address with misspelled city F9 Box record with misspelled city</p>	<p align="center">Multiple Response*</p> <p>** K0 5-digit ** K1 Dropped 5-digit ** K2 5-digit with misspelled street ** K3 Dropped 5-digit with misspelled street ** K4 5-digit with dropped or incorrect component ** K5 Dropped 5-digit and/or incorrect component ** K6 5-digit with dropped/incorrect component & misspelled street ** K7 Dropped 5-digit and/or incorrect component with misspelled street ** K8 5-digit with misspelled city ** K9 Dropped 5-digit with misspelled city</p>
	<p align="center">Aliases</p> <p>G0 5-digit - Base G1 5-digit - Alias G2 Dropped 5-digit - Base G3 Dropped 5-digit - Alias ** G4 5-digit - Out of range</p>	<p align="center">Inexact/Questionable Matching Logic</p> <p>* L0 5-digit * L1 Dropped 5-digit</p> <p align="center">Key Elements Also Known As</p> <p>**** MA Out of range - no match M0 With 5-digit M1 Dropped 5-digit M8 5-digit with misspelled city M9 Dropped 5-digit with misspelled city</p> <p>* No answer will be bypassed ** Return input record (Unless using DPV to break the tie) *** No grading for standardization **** Normalization required + Double penalty</p>

Customer No Match Record Translation of Error Codes & Special Flags (cont.)

<p style="text-align: center;">*** NDF Position Error</p> <p>N0 5-digit N1 Dropped 5-digit</p>	<p>U3 Good address/ZIP Code with invalid city name *** U4 PSC box turned into PO Box with ZIP Code ** U5 Missing PSC, CMR, unit number with good box number U6 Good military address with invalid ZIP Code U7 Bad org info in Firm Name field with good ZIP Code U8 Bad org info in Firm Name field without ZIP Code U9 Bad org info in address line with ZIP Code</p>	<p style="text-align: center;">Puerto Rico</p> <p>** 5A Missing noise URB - end address/multiple with valid or invalid URB 5B Drop or abbreviate leading suffix 5C Alpha or numeric - end address 5D Numeric house number - end address preceded by "#," "No.," or "Num" 5E Alphanumeric house number - end address preceded by "Blq" 5F Alphanumeric house number - begin/end address space alphanumeric 5G Alphanumeric house number - begin/end address hyphen alphanumeric 5H Hyphen house number/"Blq" and "Casa," "Blq" and "#" ** 5J Address contains standalone word "Buzon" (no normalization) * 5K No URB input - Match to address with blank URB 51 No URB input - single response ** 52 No URB input - multiple response 53 Valid URB on input - single response with valid/invalid URB ** 54 Valid URB on input - multiple response with valid/invalid URB 55 Missing noise URB - single response with valid/invalid URB ** 56 Missing noise URB-multiple response with valid/ invalid URB 57 Valid URB end address-single response with valid or invalid URB ** 58 Valid URB end address - multiple response with valid or invalid URB 59 Missing URB noise end address - single valid/invalid URB</p>
<p style="text-align: center;">Extra Information</p> <p>O0 5-digit O1 Dropped 5-digit O2 PMB on address line O3 PMB on secondary address line O4 Valid Secondary with '#' sign; exact match O5 PMB number is a valid PO Box Number - no match O6 Invalid secondary with '#' sign; default match O7 Double '#' signs at the end of address line – invalid O8 Double '#' signs at the end of address line, one valid value, one invalid value</p>	<p style="text-align: center;">Delivery Address Line</p> <p>** V0 Contains firm name ** V1 Contains highrise name</p>	<p style="text-align: center;">Magnet Streets With Multiple Parse Variations</p> <p>** 6E Parsed street name or ZIP+4 street name contains directional or suffix 6F Variation in directional or suffix presentation 6G Suffix or directional dropped 6H Street name incorrectly split into multiple words 6K Trailing numeric/alpha value following a valid suffix</p>
<p style="text-align: center;">Seattle Syndrome</p> <p>P0 5-digit P1 Dropped 5-digit</p>	<p style="text-align: center;">Multiple Finance Number Matching</p> <p>** W0 Multiple response within finance no. - dropped 5-digit W1 Single response within finance no.- dropped 5-digit W2 Altered street name * W3 No correlation between city and ZIP Code - match in ZIP Code ** W4 City and ZIP Code from different finance numbers ** W5 State does not agree with ZIP Code</p>	<p style="text-align: center;">Multiple Address Lines and Perfect Addresses</p> <p>7A Address line split between two lines 70 Perfect address * 7B Multiple field addresses with split-indicia</p>
<p style="text-align: center;">*** Salt Lake Syndrome</p> <p>Q0 5-digit Q1 Dropped 5-digit</p>	<p style="text-align: center;">Highrise</p> <p>X0 With a firm suite number * X2 With misspelled street X8 With a firm suite number and misspelled city</p>	<p>* No answer will be bypassed ** Return input record (Unless using DPV to break the tie) *** No grading for standardization **** Normalization required + Double penalty</p>
<p style="text-align: center;">ZIP Correction</p> <p>R0 Incorrect 5-digit within finance no. R1 Invalid 5-digit R2 Incorrect 5-digit within finance no. and incorrect +4 R4 Incorrect 5-digit within finance no. and blank city/state R5 Incorrect 5-digit not within finance no.</p>	<p style="text-align: center;">Split/Combined Elements</p> <p>Y0 Combine pre-directional with street name Y1 Split pre-directional words off street name Y2 Split suffix words off street name Y3 Drop suffix words off multi-word street names Y4 Combine suffix with street name Y5 Shift street name to pre-directional suffix to street name</p>	
<p style="text-align: center;">Highrise Default or Delivery Point Alternate</p> <p>S0 With 5-digit S4 With 5-digit highrise S5 "Chase the Base" – Delivery point alternate on input, return high-rise exact ** S6 With 5-digit highrise multiple</p>	<p style="text-align: center;">ZIPMove</p> <p>Z0 Valid match in new finance number/Match. Z1 Invalid match in ZIPMove/No Match. Z2 Valid ZIPMove match; invalid in new finance number/No Match.</p>	
<p style="text-align: center;">Hyphenated Ranges</p> <p>T1 Numeric alpha no match to numeric/numeric alpha exists T2 Alphanumeric/numeric alpha-transpose to make match T3 Delete hyphen T4 Add hyphen T5 Secy alphanumeric insert hyphen and transpose – default T6 Add alpha to match to numeric range only ** T7 Add double alphas and validate no match to numeric ** T8 Transpose alpha to beginning/no match to numeric range * TA Recombine hyphenated trailing primary alpha with secondary number * TB Recombine non-hyphenated trailing primary alpha with secondary number * TC Recombine hyphenated trailing primary numeric with secondary number * TD Recombine hyphenated trailing alphanumeric/numeric alpha with secondary number * TE Recombine secondary values into one; exact match only</p>	<p style="text-align: center;">Out of Range/Overlapping</p> <p>** 10 Bad PO Box for finance no./ZIP 11 Overlapping PO Box ranges/return lowest ZIP+4 ** 15 Bad rural route for finance no./ZIP ** 20 Invalid primary number 21 Invalid secondary number 22 "EWS" No match; Input is an exact match to an EWS record</p>	
<p style="text-align: center;">APO / FPO</p> <p>UA Bad org info in address line without ZIP Code UB Out of range records for PSC box numbers U0 Clean military addresses with 5-digit U1 Reversed box/PSC number with ZIP Code U2 Reversed box/PSC number without ZIP Code</p>	<p style="text-align: center;">Unique ZIP Codes</p> <p>4A Valid city and ZIP Code 4B Valid city and ZIP Code with valid add-on (match) 4C Valid city and ZIP Code - default match 4D Valid city and ZIP code with add-on (retain ZIP+4) 4E No correlation between city and ZIP Code; match to city ** 4F No correlation between city and ZIP Code (no match; delete ZIP Code) 4G Input address line taken from unique ZIP+4 record, match into non-unique</p>	